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IS 6326 (1996): Equal Angle Milling Cutters [PGD 32: Cutting tools]



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भारतीय मानक

समरूप कोण वाले मिलिंग कटर — विशिष्ट

(पहला पुनरीक्षण)

Indian Standard

**EQUAL ANGLE MILLING CUTTERS —
SPECIFICATION**

(First Revision)

ICS 25.100.20

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

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Price Group 1

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Milling Cutters, Saws, Gear Cutting Tools and Broaches Sectional Committee had been approved by the Production Engineering Division Council.

This standard was first published in 1971. In this revision dimensions '*b*' and '*d*' and their tolerances have been aligned with international practices. Sampling clauses have also been incorporated.

In preparation of this standard, considerable assistance has been derived from ISO 6108 : 1978 'Double equal angle cutters with plain bore and key drive', issued by the International Organization for Standardization (ISO).

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded-off value should be the same as that of the specified value in this standard.

Indian Standard

EQUAL ANGLE MILLING CUTTERS — SPECIFICATION

(First revision)

1 SCOPE

This standard covers the dimensions and other requirements for equal angle milling cutters with plain bore and key drive.

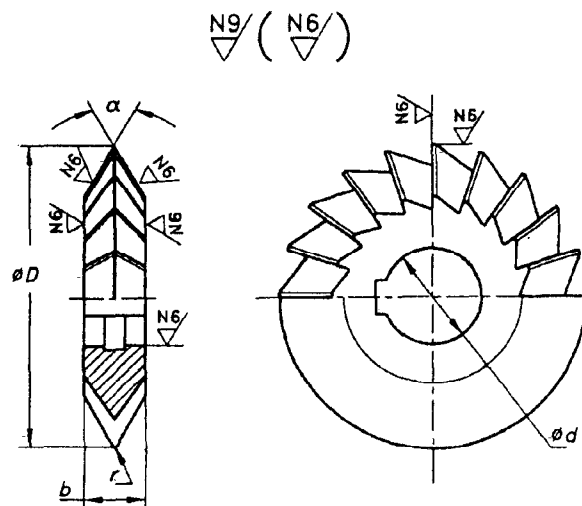
2 REFERENCES

The following standards contain provisions, which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on

this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below :

IS No.	Title
1830 : 1982	Technical supply conditions for milling cutters (<i>second revision</i>)
6285 : 1971	Dimensions for interchangeability of milling cutters and milling arbors with key drive
7778 : 1975	Methods for sampling small tools

3 DIMENSIONS



All dimensions in millimetres.

D js 16	$\alpha^{1)}$	b js 16	d H7	$r^{2)}$ Approx	Tool Type
50	45°	8	16	0.25	N, H
	60°	10			
	90°	14			
63	45°	10	22		
	60°	14			
	90°	20			
80	45°	12	27		
	60°	18			
	90°	22			
100	45°	18	32		
	60°	25			
	90°	32			

NOTE — The figure is indicative of dimensions only and does not specify design features.

¹⁾ Tolerance on $\frac{\alpha}{2} = 15'$.

²⁾ If required by the purchaser, chamfer may be provided.

4 GENERAL REQUIREMENTS

4.1 Dimensions for keyways shall be according to IS 6285.

4.2 Material and other requirements shall be according to IS 1830.

5 SAMPLING

The sampling and criteria of acceptance shall be in

accordance with IS 7778.

6 DESIGNATION

An equal angle milling cutter of diameter $D = 50$ mm for angle $\alpha = 60^\circ$ of tool type N shall be designated as :

Equal Angle Milling Cutter IS 6326 50 \times 60° N

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Amendments Issued Since Publication

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